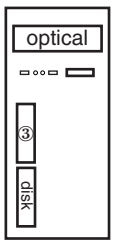
ThinkCentre® M71e Tower (3156)

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	Memory[8]	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Media reader	Chassis intr switch	ENERGY STAR 5.2	Global Educ	Win7 preload
3156-C8U	3x4	Core i5-2400	4GBx2 1333MHz	500G 7200	Bay	DVD±RW	Intel HD	None	Switch	None	N N	Pro 64
3156-C9U	3x4	Core i3-2100	4GBx1 1333MHz	500G 7200	Bay	DVD±RW	Intel HD	None	Switch	None	N N	Pro 64
3156-D1U	3x4	Pentium G840	4GBx1 1333MHz	320G 7200	Bay	DVD±RW	Intel HD	None	Switch	None	N N	Pro 64
3156-D2U	3x4	Pentium G620	2GBx1 1333MHz	250G 7200	Bay	DVD±RW	Intel HD	None	Switch	None	N N	Pro 64

- *These models have a 3-year limited warranty*
- *These systems are Microsoft Office 2010 Product Key Ready (O10PKR)*

Positioning	*Essential business features, exceptional value*
Processor	**Intel® Pentium® G620 Processor** (**2 cores / 2 threads**, 2.6GHz, 3MB cache), Virtualization Technology, integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller **Intel Pentium G840 Processor** (**2 cores / 2 threads**, 2.8GHz, 3MB cache), Virtualization Technology, integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core™ i3-2100 Processor** (**2 cores / 4 threads**, 3.1GHz, 3MB cache), Virtualization Technology, integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i5-2400 Processor** (**4 cores / 4 threads**, 3.1GHz, 6MB cache), Virtualization Technology, Turbo Boost 2.0 (3.4GHz), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller
Implementation	Processor in LGA1155 socket
Memory	8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, two 240-pin DIMM sockets
Graphics	**Intel HD Graphics** in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display
DP dongle	None
Disk	SATA 3.0Gb/s 7200 rpm
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset
SATA cables	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar
eSATA port	None
Media reader	None
Chipset	**Intel H61 Express Chipset**
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec
Speaker	Internal speaker for business audio
IEEE 1394	None
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®
Intel AMT	None
Modem	None
Security chip	None
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Mouse	Enhanced Optical USB Mouse, 1000 dpi, black, Lenovo logo
Power supply	280 watts with variable speed fan, manual switch
Machine	• Business black color; metal case • 6.3" W X 16.6" D X 15.3" H • 160mm W X 422mm D X 388mm H • 20.7 lb (9.4 kg) in maximum configuration • Handle on top front • Highlighted optical drive button for easy access
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, opt disk Bay 4: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1
Limited Warranty[1]	**3-years**, **limited onsite service**, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available



Preloaded operating system

Genuine Windows® 7 Professional 64

Preloaded applications[20] (only some listed)

- Rescue and Recovery™
- ThinkVantage® System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe Reader®
- Skype™ for Windows
- Microsoft® Live
- Microsoft Office 2010 preloaded; purchase product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Security

- One lock to secure both cover and entire system to fixed object:
  -Padlock loop (in rear for opt padlock)
  -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch

GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M71E sheet;
For ThinkPlus™ service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US models announced June 7, 2011

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